

PATENT SPECIFICATION



Application Date: May 9, 1933. No. 13,439 / 33.

409,902

Complete Accepted: May 10, 1934.

COMPLETE SPECIFICATION.

Improvement in Safety Razor.

I, VIRGIL VINCENT GARRETT, of 710, North West 3rd Street, Oklahoma City, State of Oklahoma, United States of America, a citizen of the United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:

10 The present invention relates to improved safety razors of the double edged type.

In accordance with the present invention, a safety razor of this type comprises guard and clamping plates between which a blade is clamped for use and is characterised by the fact that at least one cutting edge of the blade is arcuate.

20 In order that the invention may be more clearly understood, it will now be described with reference to the accompanying drawing in which:

Fig. 1 is a side elevation of the clamping plate;

25 Fig. 2 is a similar view of the guard plate;

Fig. 3 is a top view of the clamping plate;

30 Fig. 4 is a plan view of the clamping plate and guard plate and a razor blade assembled for use;

Fig. 5 is an elevational view of the handle;

35 Figs. 6 and 7 are end elevational views of the clamping and guard plates respectively; and

Figs. 8, 9 and 10 are plan views of slightly different embodiments of the invention showing the damping and guard plates, the blade, and the handle assembled.

Like characters of reference designate like parts in all the figures.

It is understood that various changes in the form, proportion size, shape, weight, and other details of construction, within the scope of my invention, may be resorted to without departing from the spirit or broad principle of my invention and without sacrificing any of the advantages thereof; and it is also understood that the drawings are to be interpreted as being illustrative and not restrictive.

[P]

One practical embodiment of the invention as illustrated in the drawings, comprises a clamping plate 1 having one straight edge 2, perpendicular ends 3 and 4, and an arcuate edge 5. The inner face of the plate 1 is slightly arcuate transversely throughout its entire length, but may, instead of being formed arcuately, have its side edges 2 and 5 project inwardly slightly from the central portion of the plate as best seen in Figure 6.

The reference numeral 6 indicates as a whole a guard plate having a straight edge 7, perpendicular ends 8 and 9, and an arcuate edge 10 the curve of which corresponds substantially to the curve of the edge 5 of the clamping plate 1. The dimensions of the guard 6 are substantially equal to the dimensions of the clamping plate 1, but its edges 7 and 10 are provided with spaced downwardly extending blade guard-tines 11. The outer surface of the guard 6 is slightly arcuate as may be best seen in Figure 7.

The inner surface of the clamping plate 1 is provided with a plurality of spaced dowels 12 which are adapted to pass through similarly spaced perforations 13 in the guard 6 and also through similarly spaced perforations not shown, in a razor blade 14 which is positioned between the guards. The dowels and perforations act as means for aligning the damping plate and the blade, and one of the pins, preferably the centre one, is threaded to receive a handle 15 for clamping the guard and clamping plates together with the blade between them.

The blade 14 although perfectly flat except for its cutting edges is in configuration similar to the configuration of the damping plate 1, but is slightly wider so that its cutting edges extend slightly past the edges 2 and 5 of the clamping plate 1.

It may be seen that a safety razor made in accordance with the above description will provide a straight cutting edge for general use and an arcuate cutting edge for more intricate use on the less easily accessible parts of the human body, neck and face.

In Figures 8, 9 and 10 are shown

55

60

65

70

75

80

85

90

95

100

105

BEST AVAILABLE COPY

slightly different embodiments of the invention. In these embodiments the clamping and guard plates and blade are all formed with arcuate side edges similar 5 to the edges 5 and 10 previously described.

It is thought that the operation of the device may well be understood from the description hereinabove.

Having now particularly described and 10 ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A safety razor comprising clamping 15 and guard plates between which a blade is clamped for use, characterised by the fact that at least one cutting edge of the blade is arcuate.

2. A safety razor, as set forth in claim 20 1, wherein in correspondence with the edge of the cutting blade also at least one edge of each of the guard and clamping members between which the blade is clamped is correspondingly curved.

3. A safety razor, as set forth in claim 25 1, wherein one cutting edge is straight while the opposite cutting edge is arcuate.

4. A safety razor, substantially as described and shown with reference to Figs. 1 to 7, and for the purpose set forth.

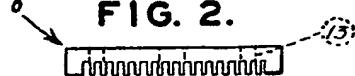
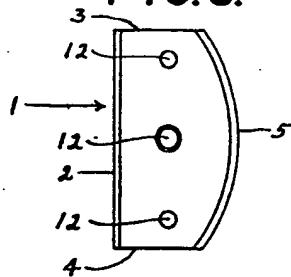
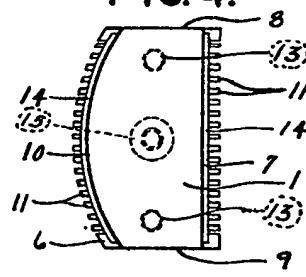
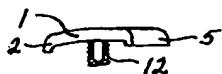
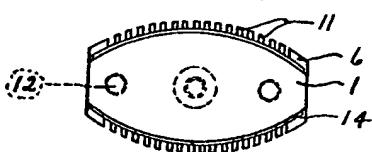
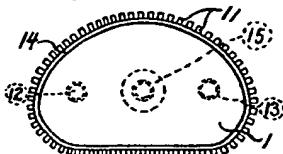
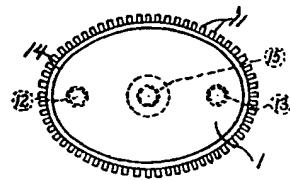
5. A safety razor, substantially as described and shown with reference to Figs. 30 8, or 9, or 10 respectively, and for the purpose set forth.

Dated this 9th day of May, 1933.

BROWNE & Co.,
Agents for the Applicant,
9, Warwick Court, Gray's Inn, London,
W.C. 1.

Reference has been directed, in pursuance of Section 7, Sub-section (4), of the Patents and Designs Acts, 1907 to 1932, to Specifications No. 345,173, 330,869, 290,697, 12,697/1915, 21,940/1912, and 21,116/1909.

[This Drawing is a reproduction of the Original on a reduced scale.]

FIG. 1.**FIG. 2.****FIG. 3.****FIG. 4.****FIG. 5.****FIG. 8.****FIG. 7.****FIG. 9.****FIG. 10.**

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.